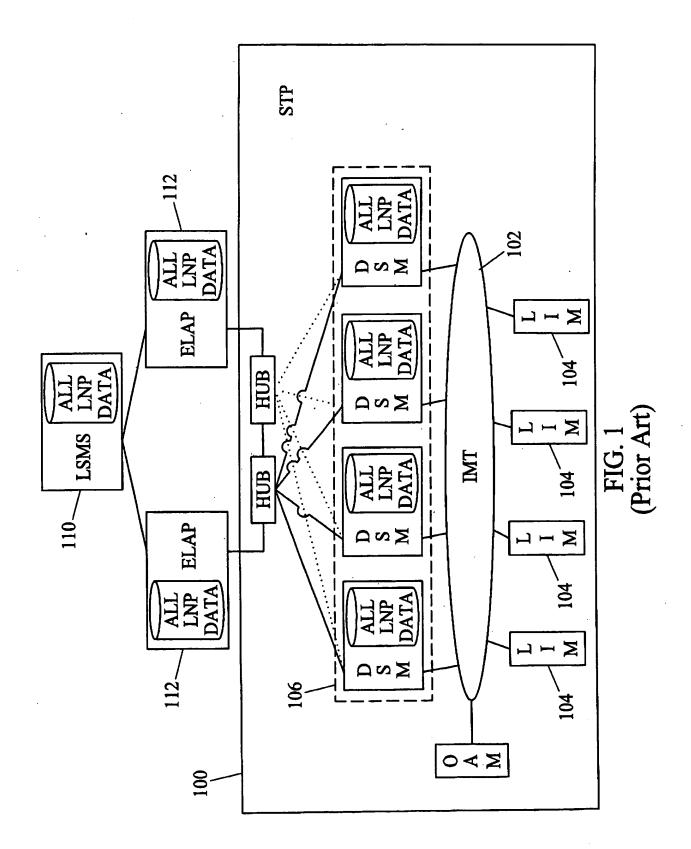Title: METHODS AND SYSTEMS FOR DISTRIBUTING
APPLICATION DATA AMONG MULTIPLE PROCESSING
MODULES IN A TELECOMMUNICATIONS NETWORK
ELEMENT HAVING A DISTRIBUTED INTERNAL
PROCESSING ARCHITECTURE
Applicant(s): Delaney et al.
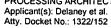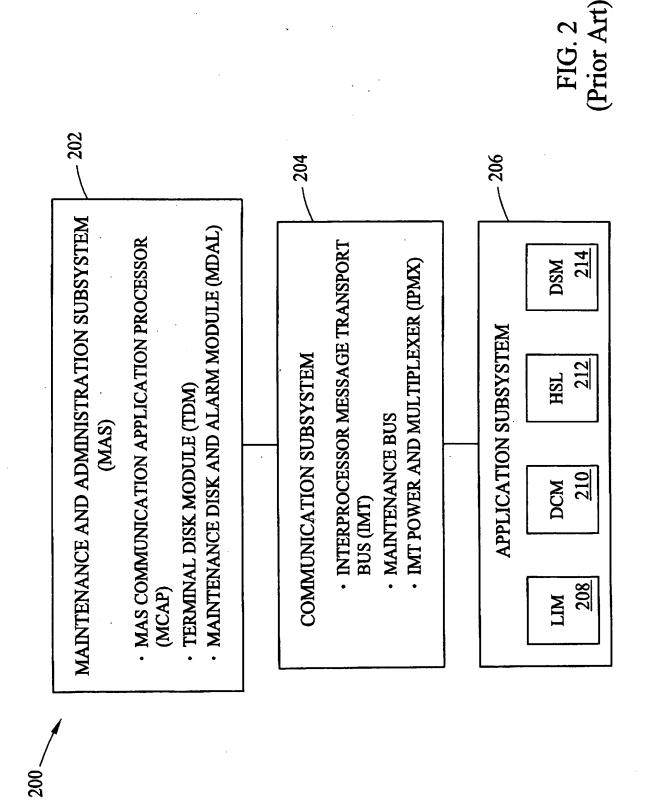Atty. Docket No.: 1322/152

FIG. 1
(Prior Art)

Title: METHODS AND SYSTEMS FOR DISTRIBUTING
APPLICATION DATA AMONG MULTIPLE PROCESSING
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Atty. Docket No.: 1322/152

FIG. 2
(Prior Art)

200

202

MAINTENANCE AND ADMINISTRATION SUBSYSTEM
(MAS)

- MAS COMMUNICATION APPLICATION PROCESSOR (MCAP)
- TERMINAL DISK MODULE (TDM)
- MAINTENANCE DISK AND ALARM MODULE (MDAL)

204

COMMUNICATION SUBSYSTEM

- INTERPROCESSOR MESSAGE TRANSPORT BUS (IMT)
- MAINTENANCE BUS
- IMT POWER AND MULTIPLEXER (IPMX)

206

APPLICATION SUBSYSTEM
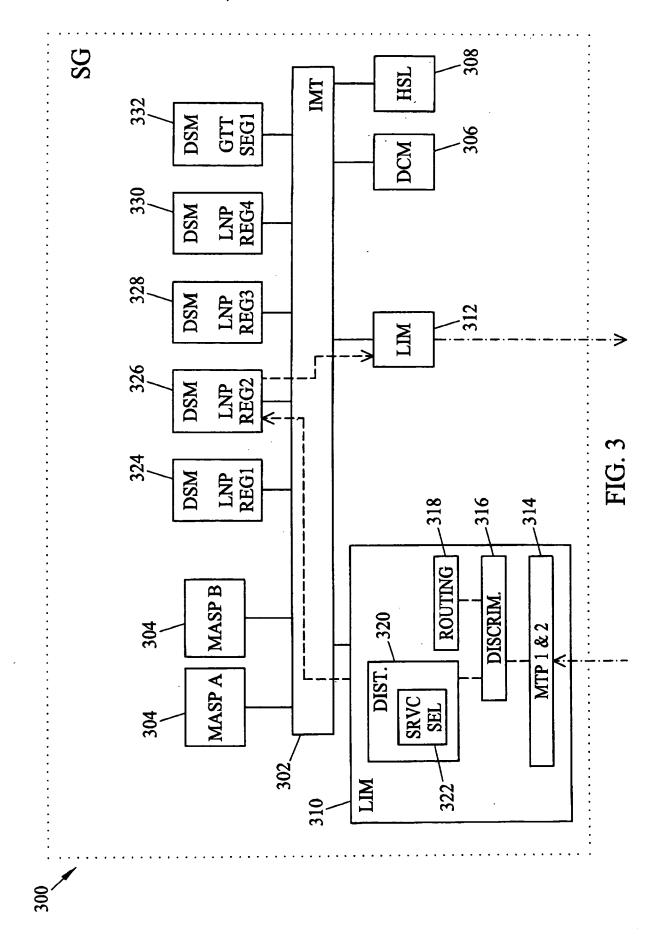
| LIM 208 | DCM 210 | HSL 212 | DSM 214 |

Title: METHODS AND SYSTEMS FOR DISTRIBUTING
APPLICATION DATA AMONG MULTIPLE PROCESSING
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ELEMENT HAVING A DISTRIBUTED INTERNAL
PROCESSING ARCHITECTURE
Applicant(s): Delaney et al.
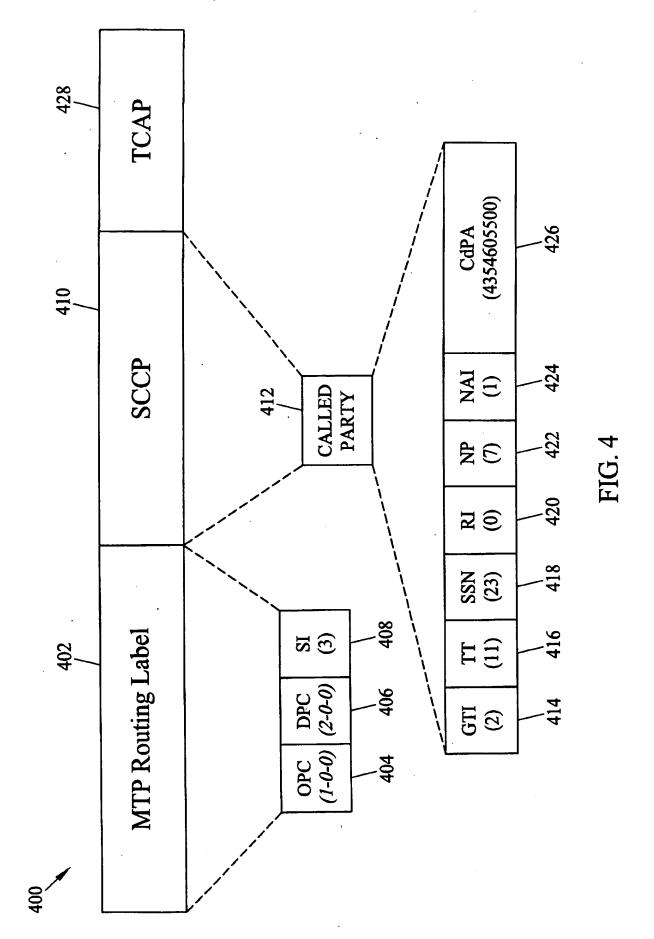Atty. Docket No.: 1322/152

FIG. 3

Title: METHODS AND SYSTEMS FOR DISTRIBUTING
APPLICATION DATA AMONG MULTIPLE PROCESSING
MODULES IN A TELECOMMUNICATIONS NETWORK
ELEMENT HAVING A DISTRIBUTED INTERNAL
PROCESSING ARCHITECTURE
Applicant(s): Delaney et al.
Atty. Docket No.: 1322/152

FIG. 4

Title: METHODS AND SYSTEMS FOR DISTRIBUTING
APPLICATION DATA AMONG MULTIPLE PROCESSING
MODULES IN A TELECOMMUNICATIONS NETWORK
ELEMENT HAVING A DISTRIBUTED INTERNAL
PROCESSING ARCHITECTURE
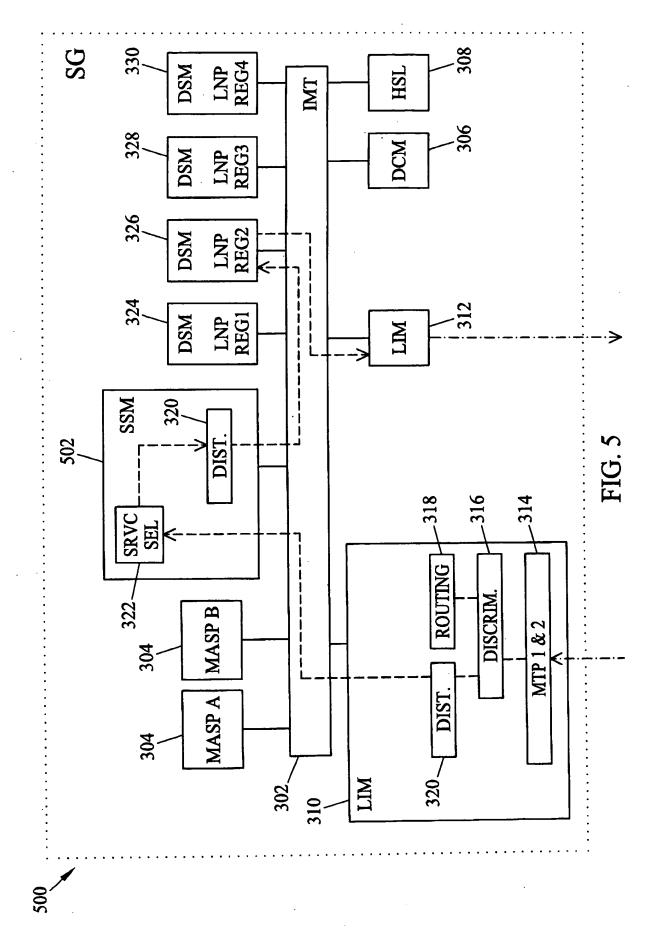Applicant(s): Delaney et al.
Atty. Docket No.: 1322/152

FIG. 5

Title: METHODS AND SYSTEMS FOR DISTRIBUTING
APPLICATION DATA AMONG MULTIPLE PROCESSING
MODULES IN A TELECOMMUNICATIONS NETWORK
ELEMENT HAVING A DISTRIBUTED INTERNAL
PROCESSING ARCHITECTURE
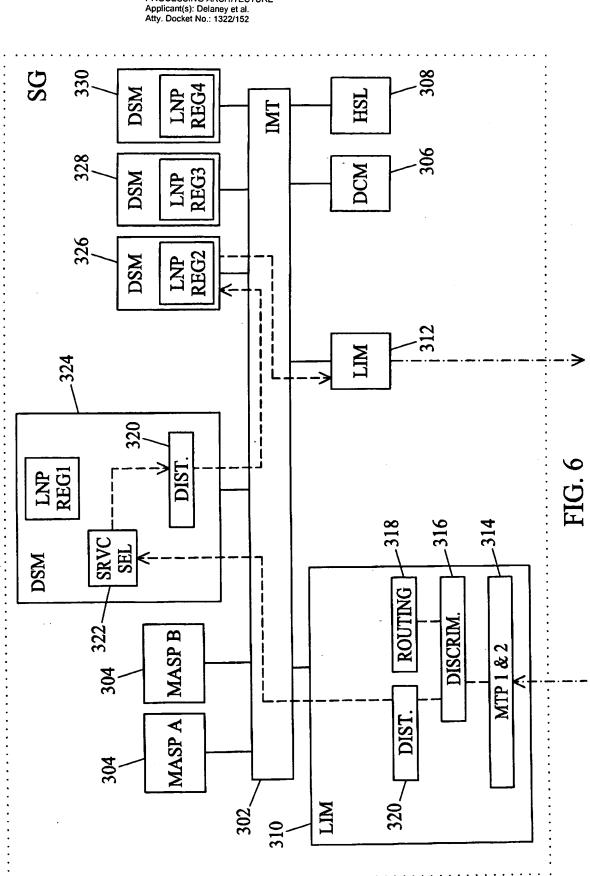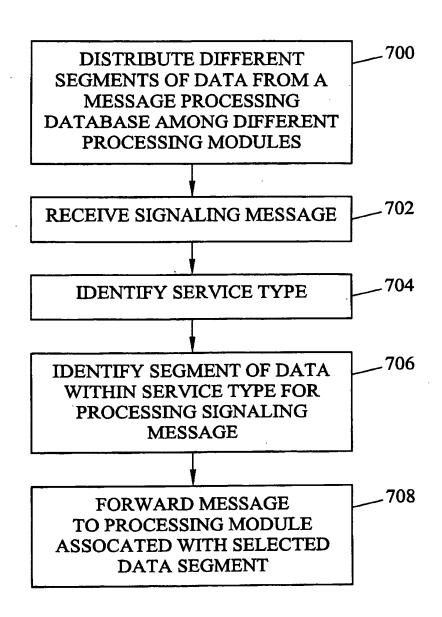Applicant(s): Delaney et al.
Atty. Docket No.: 1322/152

FIG. 6

```
┌────────────────────────────────┐
│    DISTRIBUTE DIFFERENT         │ ── 700
│  SEGMENTS OF DATA FROM A        │
│    MESSAGE PROCESSING           │
│  DATABASE AMONG DIFFERENT       │
│    PROCESSING MODULES           │
└────────────────────────────────┘
              │
              ▼
┌────────────────────────────────┐
│  RECEIVE SIGNALING MESSAGE      │ ── 702
└────────────────────────────────┘
              │
              ▼
┌────────────────────────────────┐
│     IDENTIFY SERVICE TYPE       │ ── 704
└────────────────────────────────┘
              │
              ▼
┌────────────────────────────────┐
│  IDENTIFY SEGMENT OF DATA       │ ── 706
│  WITHIN SERVICE TYPE FOR        │
│  PROCESSING SIGNALING           │
│         MESSAGE                 │
└────────────────────────────────┘
              │
              ▼
┌────────────────────────────────┐
│     FORWARD MESSAGE             │ ── 708
│  TO PROCESSING MODULE           │
│  ASSOCATED WITH SELECTED        │
│       DATA SEGMENT              │
└────────────────────────────────┘
```

FIG. 7